



Service
Canada

2019 SC-NHQ 000934

UNCLASSIFIED
IRBV

**MEMORANDUM TO THE SENIOR ASSOCIATE DEPUTY MINISTER
AND CHIEF OPERATING OFFICER**

**DEMANDE DE PRÉ-APPROBATION D'ÉVÈNEMENT POUR LA
CONFÉRENCE DU MONDE D'ANALYTIQUES PRÉDICTIVE /
EVENT PRE-APPROVAL REQUEST FOR PREDICTIVE ANALYTICS WORLD,
WASHINGTON, DC, SEPTEMBER 22-27, 2019**

(FOR DECISION)

SUMMARY

- The purpose of this note is to seek your approval for one participant from the Integrity Business Analytics team to attend the Predictive Analytics World in Washington, DC, USA, September 22-27, 2019.
- This conference focuses on predictive analytics, fraud analytics and anomaly detection. It offers a unique perspective and is not available in Canada at this time. This conference, which is geared specifically to governments, allows us to meet with participants from various US government agencies and other countries.
- It should be noted that in the past CRA and CIC have sent representatives. In addition to the conference, the participant is planning to meet with the analytics team at the Social Security Administration in Washington. This would build off earlier discussions on the fraud analytics techniques they are using to learn from their experience and share Canadian's best practices. Lastly, this conference includes experts from around the world with over 40 speakers and 30 different sessions along with 2 intensive workshops on predictive analytics and fraud analytics, and anomaly detection, which brings value to the conference to gain extensive learning.
- Chris Muldowney, Director of the Business Analytics team would attend this conference with an estimated cost of \$5,294.30. The expenditure details are reflected in the "Expense Travel Report" form (Annex A).
- Participation will increase the department's ability to develop, test, and apply predictive analytics and data-driven solutions to programs for integrity purposes, and provide insight into emerging methodologies or techniques that can identify risk, manage integrity resources effectively, and strengthen existing practices.
- Your approval is required to initiate travel booking. I confirm that the proposed expenditures provide value for money and the most economical options have been selected.

Note: Until event approval has been given by the appropriate delegated authority, no components of the events will be initiated or procured that would result in the establishment of a liability for the department (i.e. travel, hospitality, room or equipment rentals, etc.

.../2

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- 2 -

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RECOMMENDATION:

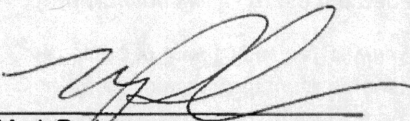
Your approval is requested for \$5294.30 CAD.

Should you agree with this proposal, please sign the attached form "Expenditure Travel Report" (Annex A), as well as the International Travel Plan Table.

Executive Head: Élise Boisjoly
(819) 654-4826

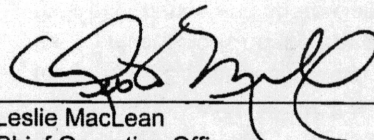
Key Contact: Jeremy Sales
(819) 654-2238

I recommend,


Mark Perlman

Aug 7/19
Date

I concur,


Leslie MacLean
Chief Operating Officer

AUG 09 2019

Attachments: 2

Travel Plan
Plan des voyages

Activity Title / Titre de l'activité : Predictive Analytics World

Branch / Direction générale : Integrity Services Branch

Categorie of travel / Catégorie de voyage : 2. KEY STAKEHOLDERS - Travel necessary to engage key stakeholders in relation to such matters as policy, program or regulatory development or renewal.
PRINCIPAUX INTERVENANTS - Les voyages nécessaires afin de mobiliser les principaux intervenants relativement à des questions comme la politique, l'élaboration ou le renouvellement de programmes ou de règlements.

Travel Objective / Objectif des voyages : This conference focuses on predictive analytics, fraud analytics and anomaly detection and offers a unique perspective and it is not available in Canada at this time. This conference, which is geared specifically to governments, allows us to meeting with participants from various US government agencies and other countries and it should be noted that in the past CRA and CIC have sent representatives. In addition to the conference, we would like to use this trip to meet with the SSA in Washington on analytics techniques. Lastly, this conference includes experts from around the world with over 40 speakers and 30 different sessions along with 2 intensive workshops on predictive analytics and fraud analytics, and anomaly detection. The purpose of attending this conference is to share and discuss emerging trends and best practices of how government agencies are currently using data analytics to enhance mission outcomes. This conference all features a daylong workshop on fraud analytics and Anomaly Detection. Dramatically reducing fraud and other abuse is a challenging task that ISB is attempting to undertake with comprehensive and flexible analytics solutions. This workshop will assist ISB to develop a wide spectrum of fraud analytics capabilities as it discusses a range of issues from basic rules and reporting to complex network graph analysis - this workshop will show us how to build out all the components of a holistic and robust fraud analytics platform. It will review critical technical details as well as problems to watch out for based on lessons learned over years of consulting on real-world fraud cases. This session teaches best practices for fraud analytics constrained by the realities of incomplete data and unrecognized or emerging fraud patterns. Existing fraud models have proven value, but nagging concerns remain about "unknown unknowns". A new view of the problem is required.

Rationale for transportation / Raison pour le transport : Every attempt will be made to secure the cheapest flight available, using services like Uber or Lyft to cut taxi costs

Rationale for accommodations / Raison pour le logement : Every effort will be made to stay in a government approved hotel with government negotiated rates

Rationale for excluded Meals / Raison pour l'exclusion de repas : N/A

Rationale for Other costs / Raison pour les autres coûts : N/A

Rationale why virtual presence or other remote meeting solutions were not applied / Raison pour laquelle la présence virtuelle ou une autre solution de réunion à distance n'a pu être appliquée : Virtual session are not provided for this conference

Travelers Name / Nom des voyageurs	Public Servant or Non-Public Servant / Fonctionnaire ou Non-fonctionnaire	Travel Dates / Dates du voyage		(City, Country / Ville, Pays)		Mode of Transportation / Mode de transport								Accommodations / Logement		Meals / Repas			Incidentals / Frais "	Other costs* / Autres coûts*	Total Travel Cost / Coût total du voyage
		From / Du (YYYY-MM-DD)	To / Au (YYYY-MM-DD)	Origin / Origine	Destination	Airfare / Avion	Rail / Train	Taxis / Taxis	Rental Vehicle / Véhicule en location	Personal Vehicle / Véhicule personnel	Parking / Stationnement	Other mode / Autre mode		Type	Costs / Coûts	Breakfast / Déjeuner	Lunch / Diner	Dinner / Souper			
												Type	Costs / Coût								
Chris Muklowney	Public Servant / Fonctionnaire	2019/09/22	2019/09/27	Ottawa, On	Washington, Dc	700.00 \$	- \$	208.00 \$	- \$	40.00 \$	80.00 \$			Commercial	1,895.00 \$	123.00 \$	120.00 \$	303.90 \$	103.80 \$	1,940.00 \$	5,294.30 \$
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* Provide a description in the appropriate rationale above. / Fournir une description dans la raison appropriée ci-dessus.
** For Public Servant only / Pour fonctionnaires seulement

I certify that travel, hospitality, conferences and event expenditures are managed with prudence and probity and represent the most economic and efficient use of funds given the nature of the activity in relation to the achievement of our department's objectives.
Je certifie que les dépenses de voyages, d'accueil, de conférences et d'événements sont gérées avec prudence et probité, et elles représentent la façon la plus économique et la plus efficace d'utiliser les fonds publics, compte tenu de la nature de l'activité par rapport à la réalisation des objectifs de notre ministère.

Recommender / Recommandation : (if needed / si nécessaire)

Recommended by / Recommandé par : _____ Position Title / Titre du poste : _____

Signature : _____ Date : _____

Recommender / Recommandation : (if needed / si nécessaire)

Elise Boisjoly
Recommended by / Recommandé par : _____ Position Title / Titre du poste : ADM

Signature : _____ Date : July 11, 2019

Approver / Approbation :

Leslie Neale
Approved by / Approuvé par : _____ Position Title / Titre du poste : _____

Signature : _____ Date : AUG 09 2019

TABLE - INTERNATIONAL TRAVEL PLAN

April 2019 to March 2020

Integrity Services Branch

ACTIVITY/EVENT	PARTICIPANT(S)	DESCRIPTION/RATIONALE/LINKS TO DEPARTMENTAL MANDATE AND PRIORITIES	COMMENTS
<p>Title: Predictive Analytics World – Data Driven Government</p> <p>Location: Washington, DC</p> <p>Date: 22-09-2019 to 27-09-2019</p> <p>Purpose:</p> <p><input type="checkbox"/> Training</p> <p><input checked="" type="checkbox"/> Conference</p> <p><input type="checkbox"/> Meeting/Working group</p> <p><input type="checkbox"/> Study Tour</p> <p><input type="checkbox"/> Information Session</p> <p><input type="checkbox"/> Other : <i>Please specify</i></p> <p>Estimated cost: \$ 5,294.30 CAD</p> <p><input checked="" type="checkbox"/> Travel: \$3354.30</p> <p><input checked="" type="checkbox"/> Conference/Training Fees:\$1940.00</p> <p><input type="checkbox"/> Hospitality:</p> <p><input type="checkbox"/> Other costs</p> <p><i>* Description and justification:</i></p> <p>Cost center: 204710</p> <p>Clarifications: N/A</p> <p>Key Contact: Chris Muldowney 819-654-8589</p>	<p>1. Chris Muldowney, Director</p> <p>Role:</p> <p><input type="checkbox"/> Head of delegation</p> <p><input type="checkbox"/> Presenter/Speaker</p> <p><input type="checkbox"/> Subject expert/Specialized support</p> <p><input type="checkbox"/> Negotiator</p> <p><input checked="" type="checkbox"/> Participant</p> <p><input type="checkbox"/> Other: <i>Please specify</i></p> <p>Description of Role: Participate in discussions, as well as gain knowledge from the workshop the lessons learned will be applied on future deliverables and the knowledge will be shared with colleagues.</p> <p>Explanation: N/A</p>	<p>Description: This is a practically-focused, vendor-neutral conference that is focused on Data Driven Government and advances the deployment of analytics and data science within Federal, State, and local governments. This conference examines techniques to reduce fraud, waste, and abuse, automate manual processes, and drive smarter decisions by extracting actionable insights from the vast quantities of data within government agencies. This conference includes over 40 speakers, 30 sessions and 2 workshops related to predictive analytics, machine learning, fraud analytics and anomaly detection. In addition to the conference, we were planning to meet with the analytics team at the social security administration in Washington. This would build off earlier discussions where we would meet to discuss fraud analytics techniques they are using to learn from their experience and we would discuss our techniques so that we can both learn from each other.</p> <p>Rationale/Links to Departmental mandate and priorities: This conference focuses on predictive analytics, fraud analytics and anomaly detection and offers a unique perspective and it is not available in Canada at this time. This conference, which is geared specifically to governments, allows us to meeting with participants from various US government agencies and other countries and it should be note that in the past CRA and CIC have sent representatives. The purpose of attending this conference is to share and discuss emerging trends and best practices of how government agencies are currently using data analytics to enhance mission outcomes. This conference features a daylong workshop on fraud analytics and anomaly detection. Dramatically reducing fraud and other abuse is a challenging task that ISB is attempting to undertake with comprehensive and flexible analytics solutions. This workshop will assist ISB to develop a wide spectrum of fraud analytics capabilities as it discusses a range of issues from basic rules and reporting to complex network graph analysis – this workshop will show us how to build out all the components of a holistic and robust fraud analytics platform. It will review critical technical details as well as problems to watch out for based on lessons learned over years of consulting on real-world fraud cases. This session teaches best practices for fraud analytics constrained by the realities of incomplete data and unrecognized or emerging fraud patterns. Existing fraud models have proven value, but nagging concerns remain about "unknown unknowns". A new view of the problem is required.</p>	<p>Type of Activity:</p> <p><input checked="" type="checkbox"/> Event</p> <p><input type="checkbox"/> Operational Activity</p> <p><input type="checkbox"/> Training *</p> <p>Other Departmental participation: none</p> <p>Other Government Department participation: Unknown – however CRA sometimes sends heir staff to these conferences</p> <p>Frequency: once</p> <p>Other:</p>

		Consultation with other areas of the Department: Consultations have not taken place with other areas of the department as this has direct ties to the work integrity undertakes developing analytics solutions and predictive models Consultation with other Departments/external partners: none	
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Recommended by:

ELISE BOISJOLY
ADM

ch. J
Signature

July 11, 2019
Date

Approved by:

Leslie MacLean
Leslie MacLean, COO

Signature

AUG 09 2019
Date